

Section Review

What Is a Force?

USING KEY TERMS

1. In your own words, write a definition for each of the following terms: *force* and *net force*.

UNDERSTANDING KEY IDEAS

- _____ 2. Which of the following may happen when an object receives unbalanced forces?
- a. The object changes direction.
 - b. The object changes speed.
 - c. The object starts to move.
 - d. All of the above

3. Explain the difference between balanced and unbalanced forces.

4. Give an example of an unbalanced force causing a change in motion.

5. Give an example of an object that has balanced forces acting on it.

6. Explain the meaning of the phrase “Forces act on objects.”

Section Review *continued*

MATH SKILLS

7. A boy pulls a wagon with a force of 6 N east as another boy pushes it with a force of 4 N east. What is the net force?

CRITICAL THINKING

8. **Making Inferences** When finding net force, why must you know the directions of the forces acting on an object?

9. **Applying Concepts** List three forces that you exert when riding a bicycle.
